


| | | | | | | |
|--|------------------------------|---|-----------|---|---|-----------------------------------|
| 1. Approving Civil Aviation Authority/Country Transport Canada | | 2. AUTHORIZED RELEASE CERTIFICATE FORM ONE | | | 3. Form Tracking No. | |
| 4. Organization Name and Address AERO Design Ltd. – 2013 39th Avenue NE, Calgary, Alberta, T2E 6R7 | | | | | 5. Work Order/Contract/Invoice WO 2014-53 | |
| 6. Item | 7. Description | 8. Part Number | 9. Qty. | 10. Serial/Batch No. | 11. Status/Work | |
| | Cyclic Friction Ass'y | 95210-01 | 40 | N/A | New | |
| 12. Remarks | | | | | | |
| 13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12. | | | | 14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations. | | |
| 13b. Signature  | | 13c. Approved Organization Number AMF 73-04 | | 14b. Signature | | 14c. Approved Organization Number |
| 13d. Name Jason Rekve | | 13e. Date (dd/mmm/yyyy) 18 June 2014 | | 14d. Name | | 14e. Date (dd/mmm/yyyy) |
| <p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p> | | | | | | |



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Barrel Nut No. of pieces: 27 65 OK

Manufacturer: Aero Design

Part No.: 95230-01 Serial / W.O. No.: NSN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2014-50

Remaining Tasks to be Performed: Install Helicoil before
final assembly OK Ready for install OK

Signature: Jason Ruhn

Date: May 26/14 Lic. No. / ACA AD 01

Serviceable



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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Curved Washer No. of pieces: 25

Manufacturer: Aero Design

Part No.: 95238-01 Serial / W.O. No.: N/A

TTSN: NIP TSO: N/A Rem.: N/A

Work Order No.: 2012-42

Remaining Tasks to be Performed: Ready for final assembly

Signature: [Signature]

Date: May 26/14 Lic. No. / ACA AD01

Serviceable



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AMF 73-04

Nomenclature: Rod Assy. No. of pieces: 40

Manufacturer: Aero Design

Part No.: 95212-01 Serial No.: NISN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2014-50

Remaining Tasks to be Performed: Ready for installation

Signature: Masa Rehn

Date: Jun 5/14 Lic. No. / SCA AD01



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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Sub-assembly No. of pieces: 7

Manufacturer: Aero Design

Part No.: see over Serial / W.O. No.: NSN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2012-42

Remaining Tasks to be Performed: Ready for final assembly

Signature: [Signature]

Date: May 26/14 Lic. No. / ACA AD01

Serviceable



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AMF 73-04

Serviceable

Remarks

Subassembly breakdown
- Tube 95220-01
- Retainer Bushing 95222-01
- Crescent Bushing 95226-01



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AMF 73-04

Nomenclature: Sub assembly No. of pieces: 2

Manufacturer: Aero Design

Part No.: See over Serial / W.O. No.: NSN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2012-42

Remaining Tasks to be Performed: Ready for final assembly.

Signature: [Signature]

Date: May 26/14 Lic. No. / ACA AD 01

Serviceable



Aero Design Ltd.

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Remarks

Sub assembly breakdown

-Tube 95220-01

-Cap 95224-01

Serviceable



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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Cap No. of pieces: 10

Manufacturer: Aero Design

Part No.: 95224-01 Serial / W.O. No.: NISN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2012-42

Remaining Tasks to be Performed: Ready for final assembly

Signature: [Signature]

Date: May 26/14 Lic. No. / ACA AD01

Serviceable



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Crescent Bushing No. of pieces: 12

Manufacturer: Aero Design

Part No.: 95226-01 Serial / W.O. No.: NISN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2012-42

Remaining Tasks to be Performed: Ready for final assembly.

Signature: Arda Rehm

Date: May 26/14 Lic. No. / ACA AD 01

Serviceable



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Retainer Bushing No. of pieces: 5

Manufacturer: Aero Design

Part No.: 95222-01 Serial / W.O. No.: N/A

TTSN: NIP TSO: N/A Rem.: N/A

Work Order No.: 2012-42

Remaining Tasks to be Performed: Ready for final assembly.

Signature: Jasa Reh

Date: May 26/14 Lic. No. / ACA AD 01

Serviceable



Cyclic Friction.

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

X40

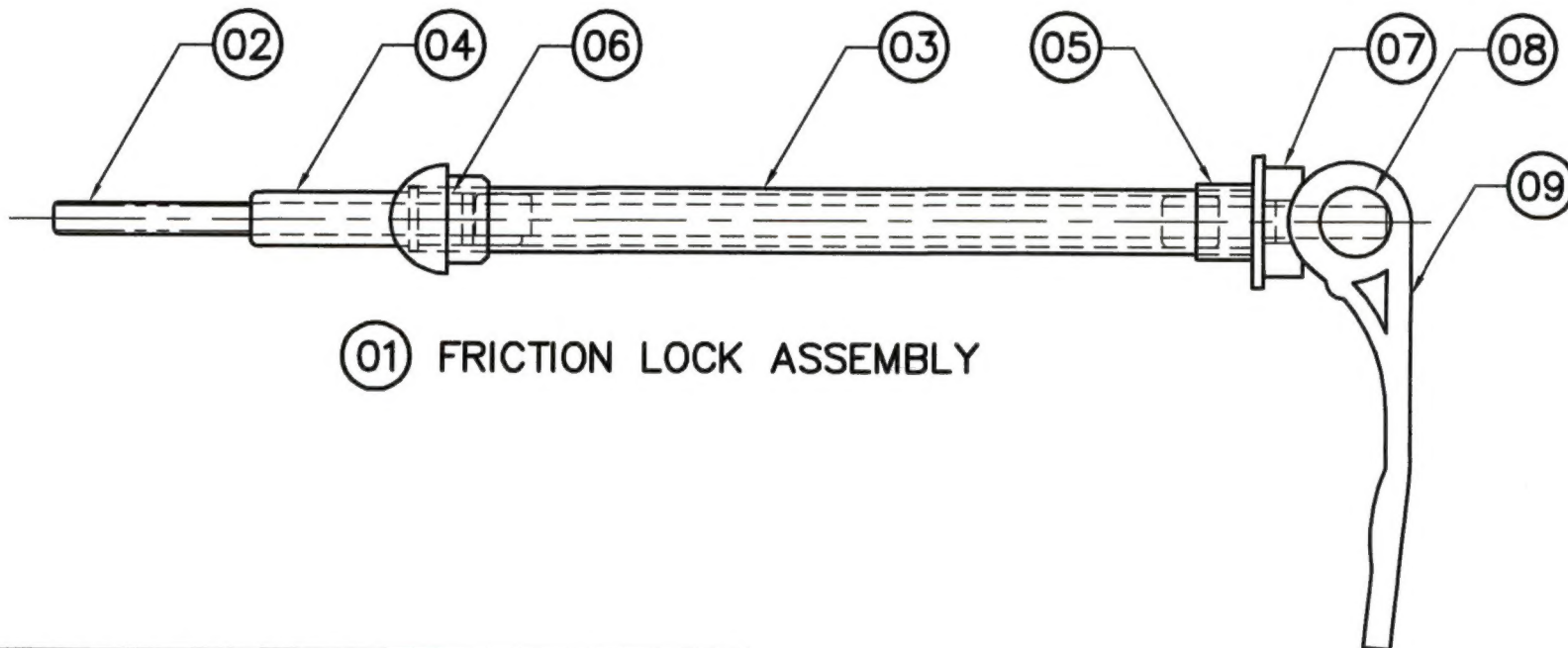
2014-53

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| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | INITIAL ISSUE | * | * |

NOTES

1. PRESS RETAINER BUSHING (05) INTO TUBE (03), INSERT THREADED ROD ASSEMBLY (02) INTO TUBE, PRESS CAP (04) ONTO TUBE, THEN PRESS TUBE ASSEMBLY (03, 04, 05) INTO CRESCENT BUSHING (06).
2. SLIDE CURVED WASHER (07) OVER THREADED ROD, INSERT BARREL NUT (08) INTO CAM LEVER (09), THEN THREAD CAM LEVER ONTO THREADED ROD. DO NOT TIGHTEN.



(01) FRICTION LOCK ASSEMBLY

| | | | |
|-----|-------------------|------|-----------------------------|
| 1 | MODEL 1100 | 09 | CAM LEVER (HYGOAL) |
| 1 | 95230-01 | 08 | BARREL NUT |
| 1 | 95228-01 | 07 | CURVED WASHER |
| 1 | 95226-01 | 06 | CRESCENT BUSHING |
| 1 | 95224-01 | 05 | CAP |
| 1 | 95222-01 | 04 | RETAINER BUSHING |
| 1 | 95220-01 | 03 | TUBE |
| 1 | 95212-01 | 02 | THREADED ROD ASSEMBLY |
| 1 | 95210-01 | 01 | FRICTION LOCK TUBE ASSEMBLY |
| 01 | PART NO. | ITEM | DESCRIPTION |
| QTY | LIST OF MATERIALS | | |

| | | | | |
|--|--|-------------|--|------|
| APPROVALS | | DATE | AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8087 fax: (403) 250-8333 www.aerodesign.ca | |
| DRAWN: JEFF CLARKE | | 18 OCT 2012 | | |
| CHECKED: E. BURGAIN | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1 | | | BELL 206B, 206L SERIES, 407 CYCLIC FRICTION REPLACEMENT FRICTION LOCK ASSEMBLY | |
| SCALE 1 : 1 | | DWG. SIZE | DWG. NO. | REV. |
| SHEET 1 OF 1 | | A4 | 95210 | 0 |

x 40

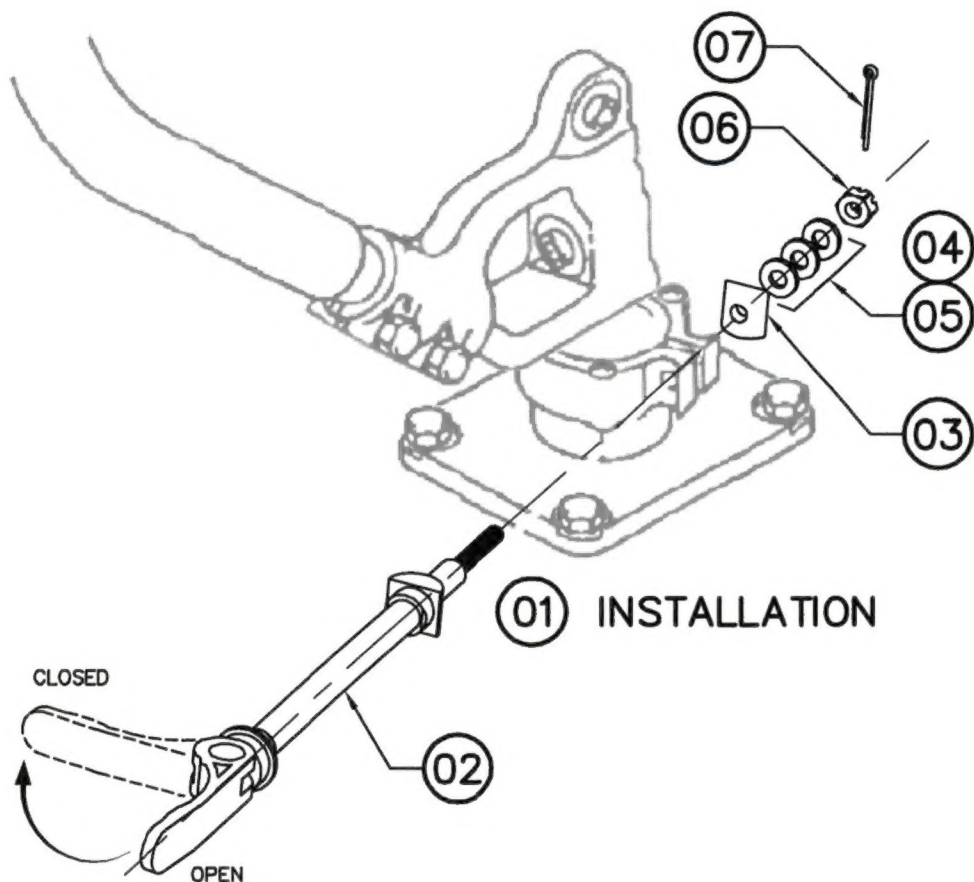
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| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | INITIAL ISSUE | * | * |

NOTES

1. REMOVE THE EXISTING CYCLIC FRICTION ASSEMBLY AS FOLLOWS:
 - A. REMOVE PILOT SEAT AND SEAT PANEL. REFER TO MAINTENANCE MANUAL CHAPTER 25.
 - B. REMOVE COTTER PIN, NUT AND WASHERS AT BOTTOM OF CYCLIC FRICTION KNOB AND SHAFT ASSEMBLY.
 - C. UNTHREAD BARREL NUTS FROM KNOB AND SHAFT ASSEMBLY.
 - D. REMOVE KNOB AND SHAFT ASSEMBLY FROM PIVOT SUPPORT ASSEMBLY, AND SLIDE OUT OF CYCLIC STICK BOOT.
2. INSTALL NEW CYCLIC FRICTION ASSEMBLY (02) AS FOLLOWS:
 - A. SLIDE CYCLIC FRICTION ASSEMBLY (02) THROUGH CYCLIC BOOT, SEAT CURVED END INTO PIVOT SUPPORT ASSEMBLY.
 - B. SLIDE CURVED WASHER (03) ONTO THREADED END OF CYCLIC FRICTION.
 - C. SLIDE NAS1149F0363P AND/OR NAS1149F0332P WASHERS (AS REQUIRED) ONTO THREADED END OF CYCLIC FRICTION.
 - D. THREAD AN310-3 CASTLE NUT ONTO THREADED END OF CYCLIC FRICTION.
 - E. SET MINIMUM FRICTION WITH LEVER IN OPEN POSITION (STRAIGHT OUT) AND LOOSE IN ACCORDANCE WITH THE MAINTENANCE MANUAL:
 - 206B: BHT-206A/B-MM-8, SECTION 67-39
 - 206L: BHT-206L-MM-1, SECTION 27-27A
 - 206L-1: BHT-206L1-MM-1, SECTION 27-28
 - 206L-3: BHT-206L3-MM-8, SECTION 67-40
 - 206L-4: BHT-206L3-MM-8, SECTION 67-40
 - 407: BHT-407-MM-8, SECTION 67-56
 - F. SAFETY THE AN310-3 NUT WITH MS24665-153 COTTER PIN IN ACCORDANCE WITH AC43.13-1B, SECTION 7-127.
 - G. INSTALL PILOT SEAT AND SEAT PANEL. REFER TO MAINTENANCE MANUAL CHAPTER 25.
 - H. PILOT MAY INCREASE FRICTION BY ROTATING LEVER TO CLOSED POSITION.
3. ELIGIBILITY: 206B - S/N 1658 AND SUBSEQUENT
 206L, L-1, L-3, L-4 - ALL
 407 - ALL



01 INSTALLATION

| APPROVALS | DATE |
|---------------------|-------------|
| DRAWN: JEFF CLARKE | 25 OCT 2012 |
| CHECKED: E. BURGOIN | |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCES ON:

| DECIMALS | ANGLES |
|--------------|--------|
| X.XXX ±0.010 | ±1/2° |
| X.XX ±0.03 | |
| X.X ±0.1 | |

AERO DESIGN LTD.

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 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca

BELL 206B, 206L SERIES, 407
 CYCLIC FRICTION REPLACEMENT
 INSTALLATION

| NOT TO SCALE | DWG. SIZE | DWG. NO. | REV. |
|--------------|-----------|----------|------|
| SHEET 1 OF 1 | A4 | 95201 | 0 |

| QTY | PART NO. | ITEM | DESCRIPTION |
|-----|-------------------|------|------------------------------|
| 1 | MS24665-153 | 07 | COTTER PIN |
| 1 | AN310-3 | 06 | CASTLE NUT |
| A/R | NAS1149F0332P | 05 | WASHER (LIGHT) |
| A/R | NAS1149F0363P | 04 | WASHER |
| 1 | 95238-01 | 03 | CURVED WASHER |
| 1 | 95210-01 | 02 | CYCLIC FRICTION ASSEMBLY |
| 1 | 95201-01 | 01 | CYCLIC FRICTION INSTALLATION |
| 01 | PART NO. | ITEM | DESCRIPTION |
| QTY | LIST OF MATERIALS | | |